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B.B. Goldberg, D. Heiman and A. Pinczuk, Exchange enhancement of the spin gap of a spin-polarized 2D electron gas determined by optical absorption spectroscopy 229 (1990) 137

M. Potemski, J.C. Maan, A. Fasolino, K. Ploog and G. Weimann, Exchange splitting of the heavy hole exciton ground state in GaAs–GaAlAs quantum wells 229 (1990) 151

K. Hirakawa, H. Sakaki and T. Ikoma, Electron–phonon interaction in GaAs/ $Al_xGa_{1-x}As$/GaAs single-barrier heterojunction diodes 229 (1990) 161

E.E. Mendez and L.L. Chang, Tunneling between two-dimensional electron gases 229 (1990) 173

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M.S. Skolnick, A.W. Higgs, P.E. Simmonds, D.G. Hayes, G.W. Smith, H.J. Hutchinson, A.D. Pitt, C.R. Whitehouse, L. Eaves, M. Henini and O.H. Hughes, Electronic processes in double barrier resonant tunneling structures investigated by optical spectroscopy 229 (1990) 185

D.Y. Oberli, Jagdeep Shah, T.C. Damen, J.M. Kuo, R.F. Kopf and J.E. Henry,

Elsevier Science Publishers B.V. (North-Holland)

Tunneling in double quantum well structures: role of optical phonons 229 (1990) 189
R. Ferreira, H.W. Liu, C. Delalande, G. Bastard, J.F. Palmier and B. Etienne, Electron, hole and exciton tunneling in a biased quantum well structure 229 (1990) 192
M. Nido, M.G.W. Alexander, K. Reimann, K. Ploog, W.W. Rühle and K. Köhler, Electron tunneling via Γ- and X-states in $GaAs/Al_{0.35}Ga_{0.65}As$ double quantum well structures 229 (1990) 195
A.M. Chang and T.Y. Chang, Quenching of the Hall effect in a novel geometry 229 (1990) 209
A.M. Chang and J.E. Cunningham, Transmission and reflection probabilities between the $\nu = 1$ and the $\nu = \frac{2}{3}$ quantum Hall effects 229 (1990) 216
G. Timp, R. Behringer, J.E. Cunningham and R.E. Howard, Fractional quantized Hall effect in a ballistic constriction in a two-dimensional electron gas 229 (1990) 219
R.J. Haug, K. von Klitzing, K. Ploog and P. Streda, Edge state transport in high magnetic fields in a two-dimensional electron gas 229 (1990) 229
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K. Kash, J.M. Worlock, A.S. Gozdz, B.P. Van der Gaag, J.P. Harbison, P.S.D. Lin and L.T. Florez, Excitation spectroscopy of strain-patterned semiconductor wires 229 (1990) 245
M. Kohl, D. Heitmann, P. Grambow and K. Ploog, Effect of the wire width on 1D magneto excitons in GaAs–AlGaAs quantum-well wires 229 (1990) 248
A.D. Wieck and K. Ploog, Tunable in-plane-gated (IPG) quantum wire structures fabricated with directly written focused ion beams 229 (1990) 252
M.H. Degani and O. Hipólito, Electron–polar optical phonon scattering rates in multisubband quantum wire structures 229 (1990) 279
J.G. Williamson, H. van Houten, C.W.J. Beenakker, M.E.I. Broekaart, L.I.A. Spendeler, B.J. van Wees and C.T. Foxon, Injection of ballistic hot electrons and cool holes in a two-dimensional electron gas 229 (1990) 303
P.L. McEuen, B.W. Alphenaar, R.G. Wheeler and R.N. Sacks, Resonant transport effects due to an impurity in a narrow constriction 229 (1990) 312
D.C. Glattli, G. Deville, V. Duburcq, F.I.B. Williams, E. Paris, B. Etienne and E.Y. Andrei, Experiments on ordering in classical and quantum 2D electron systems 229 (1990) 344
A. Pinczuk, J.P. Valladares, D. Heiman, L.N. Pfeiffer and K.W. West, Light scattering determination of roton densities of states in two-dimensional Landau level excitations 229 (1990) 384
T. Zettler, C. Peters, J.P. Kotthaus and K. Ploog, Resonant Raman scattering of coupled magnetoplasmon–cyclotron modes in layered two-dimensional electron systems 229 (1990) 388
U. Bockelmann, P. Hiergeist, G. Abstreiter, G. Weimann and W. Schlapp, Relevant scattering processes, band gap renormalization and Moss–Burstein shift in modulation doped narrow GaAs/AlGaAs multiple quantum wells 229 (1990) 398
S.-R.E. Yang and A.H. MacDonald, Stress and the Van Hove singularities of hole magnetoplasmons 229 (1990) 402
J.M. Gerard and J.Y. Marzin, Optical study of probability densities in quantum well eigenstates 229 (1990) 433
I.V. Kukushkin, A.S. Plaut, K. von Klitzing and K. Ploog, Luminescence experiments on acceptor δ-doped GaAs–AlGaAs single heterojunctions with optically tunable electron concentration 229 (1990) 447
J. Feldmann, R. Sattmann, G. Peter, E.O. Göbel, J. Nunnenkamp, J. Kuhl, J. Hebling, K. Ploog, R. Cingolani, R. Muralidharan, P. Dawson and C.T. Foxon, Determination of Γ–X transfer rates in type II (Al)GaAs/AlAs superlattices 229 (1990) 452
I.N. Uraltsev, V.P. Kochereshko, P.S. Kop'ev, A.M. Vasiliev and D.R. Yakovlev, Optical phenomena elucidating carrier transport in short-period superlattices 229 (1990) 459
D. Scalbert, J. Cernogora, C. Benoit à la Guillaume, M. Maaref, F.F. Charfi and R. Planel, Exciton radiative lifetime in short period GaAs–AlAs superlattices of type II 229 (1990) 464
J.A. Brum and F. Agulló-Rueda, Stark ladder excitonic transitions 229 (1990) 472
M. Schlierkamp, R. Wille, K. Greipel, U. Rössler, W. Schlapp and G. Weimann, Confined excitons under biaxial compression and tension 229 (1990) 476

W.M. Chen, B. Monemar, Q.X. Zhao, P.O. Holtz, M. Sundaram, J.L. Merz and A.C. Gossard, Characterization of GaAs/AlGaAs heterojunctions by optical detection of cyclotron resonance 229 (1990) 484
G. Wiggins, R.J. Nicholas, J.J. Harris and C.T. Foxon, Bound state cyclotron resonance in modulation doped GaAs–$Al_xGa_{1-x}As$ quantum wells 229 (1990) 488
G. Brozak, F. DeRosa, D.M. Hwang, P. Miceli, S.A. Schwarz, J.P. Harbison, L.T. Florez and S.J. Allen, Jr., Measurement of the effective mass along the growth direction of a thin-barrier GaAs–AlAs superlattice 229 (1990) 493
L. Viña, G.E.W. Bauer, M. Potemski, J.C. Maan, E.E. Mendez and W.I. Wang, Magnetic field effects in highly resolved two-dimensional excitons 229 (1990) 504
H. Yoshimura and H. Sakaki, Magneto-luminescence study of carrier-induced excitonic to free-carrier transition of radiative recombination in a semiconductor quantum well 229 (1990) 508
R. Stępniewski, W. Knap, A. Raymond, G. Martinez, J.C. Maan, B. Etienne and K. Ploog, Exciton–one-component plasma interaction in high magnetic fields 229 (1990) 519
I.M. Grodnensky and A.Yu. Kamaev, Properties of edge magnetoplasmons in a degenerate 2D electron gas 229 (1990) 522

Band structure

U. Ekenberg, Wave function engineering in asymmetric modulation-doped quantum wells 229 (1990) 419
J.M. Gerard, J.Y. Marzin, C. d'Anterroches, B. Soucail and P. Voisin, Optical study of the band structure of InAs/GaAs ordered alloys 229 (1990) 456
J.M. Berroir, Y. Guldner, J. Manasses, J.P. Vieren, M. Voos, X. Chu and J.P. Faurie, Evidence for semimetallic character in $Hg_{1-x}Zn_xTe$–CdTe superlattices 229 (1990) 501

Cadmium telluride

D.D. Awschalom, M.R. Freeman, C. Hsu and L.L. Chang, Ultrafast spin dynamics in diluted magnetic semiconductor superlattices 229 (1990) 145
Q. Fu, N. Pelekanos, A.V. Nurmikko, S. Durbin, J. Han, O. Sungki, D. Menke, M. Kobayashi and R.L. Gunshor, Strong confinement effects in CdTe/MnTe quantum wells: a new strained layer binary II–VI heterostructure 229 (1990) 148
M. Alikacem, M.L. Leadbeater, D.K. Maude, M. Davies, L. Eaves, M. Heath, L. Dmowski, J.C. Portal, D. Ashenford and B. Lunn, High pressure and high magnetic field studies of the two-dimensional electron gas at a CdTe/InSb interface 229 (1990) 428
R. Sizmann, M. Zass and F. Koch, Resonant excitation in the interacting subband–valence band system of a narrow gap semiconductor 229 (1990) 444
H. Tuffigo, B. Lavigne, R.T. Cox, G. Lentz, N. Magnea and H. Mariette, Strong effects of electron–hole Coulomb interaction on optical properties of CdTe quantum wells 229 (1990) 480
J.M. Berroir, Y. Guldner, J. Manasses, J.P. Vieren, M. Voos, X. Chu and J.P. Faurie, Evidence for semimetallic character in $Hg_{1-x}Zn_xTe$–CdTe superlattices 229 (1990) 501

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H. Tuffigo, B. Lavigne, R.T. Cox, G. Lentz, N. Magnea and H. Mariette, Strong effects of electron–hole Coulomb interaction on optical properties of CdTe quantum wells 229 (1990) 480
D.F. Howell, T.J.B.M. Janssen, R.J. Nicholas, C.J.G.M. Langerak, J. Singleton and A. Chevy, 2D cyclotron resonance and magneto-polaron coupling to homopolar and LO phonons in the layered semiconductor InSe 229 (1990) 496
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H. Sigg, J. Richter, K. von Klitzing and K. Ploog, Percolation at $\nu = 1$ in the 2D electron system of e^--beam irradiated AlGaAs/GaAs heterostructures 229 (1990) 43
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S.V. Kravchenko, B.K. Medvedev, V.G. Mokerov, V.M. Pudalov, D.A. Rinberg and S.G. Semenchinsky, On the phase diagrams of the magnetoconductivity for 2D electron systems 229 (1990) 63
J. Luo, H. Munekata, F.F. Fang and P.J. Stiles, The effects of inversion asymmetry on subband structures in GaSb–InAs–GaSb quantum wells 229 (1990) 73
W. Heuring, E. Bangert, K. Grötsch, G. Landwehr, G. Weimann, W. Schlapp, J.-H. Reemtsma and K. Heime, Influence of warping on quantum oscillations in p-type GaAs–(GaAl)As heterostructures 229 (1990) 76
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D. Weiss, K. von Klitzing, K. Ploog and G. Weimann, Landau level broadening and Van Hove singularities in lateral surface superlattices 229 (1990) 88
R.R. Gerhardts and C. Zhang, Quantum magneto-transport theory for two-dimensional electron systems with unidirectional periodic modulation 229 (1990) 92
J.L. Pichard, P.A. Mello, A.D. Stone and N. Zanon, Maximum entropy approaches to quantum transport 229 (1990) 101
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D. Calecki and G. Fishman, Surface-limited resistivity in 2D-semiconductors and 2D-metals: influence of roughness modeling 229 (1990) 110
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R.J. Haug, K. von Klitzing, K. Ploog and P. Streda, Edge state transport in high magnetic fields in a two-dimensional electron gas 229 (1990) 229
D.A. Wharam, R. Newbury, M. Pepper, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie, D.C. Peacock, G.A.C. Jones, T.J. Thornton and U. Ekenberg, Ballistic electron transport in quasi-one-dimensional systems 229 (1990) 233
A.D. Wieck and K. Ploog, Tunable in-plane-gated (IPG) quantum wire structures fabricated with directly written focused ion beams 229 (1990) 252
S. Das Sarma, S. He and Qiang Li, Optical and transport properties of one-dimensional quantum wire structures 229 (1990) 264
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C.J.B. Ford, A.B. Fowler, J.M. Hong, C.M. Knoedler, S.E. Laux, J.J. Wainer and S. Washburn, Gated, asymmetric rings as tunable electron interferometers 229 (1990) 307
P.L. McEuen, B.W. Alphenaar, R.G. Wheeler and R.N. Sacks, Resonant transport effects due to an impurity in a narrow constriction 229 (1990) 312
B. Kramer, J. Mašek, V. Špička and B. Velický, Coherent electronic transport properties of quasi-one-dimensional systems 229 (1990) 316
W. Hansen, T.P. Smith III, D.P. DiVincenzo, K.Y. Lee, Y.H. Lee and R. Cheung, Quantum fluctuations in n^+ GaAs wires with invasive probes 229 (1990) 321
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M. Alikacem, M.L. Leadbeater, D.K. Maude, M. Davies, L. Eaves, M. Heath, L. Dmowski, J.C. Portal, D. Ashenford and B. Lunn, High pressure and high magnetic field studies of the two-dimensional electron gas at a CdTe/InSb interface 229 (1990) 428

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T. Zettler, C. Peters, J.P. Kotthaus and K. Ploog, Resonant Raman scattering of coupled magnetoplasmon–cyclotron modes in layered two-dimensional electron systems 229 (1990) 388

W.M. Chen, B. Monemar, Q.X. Zhao, P.O. Holtz, M. Sundaram, J.L. Merz and A.C. Gossard, Characterization of GaAs/AlGaAs heterojunctions by optical detection of cyclotron resonance 229 (1990) 484

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G. Brozak, F. DeRosa, D.M. Hwang, P. Miceli, S.A. Schwarz, J.P. Harbison, L.T. Florez and S.J. Allen, Jr., Measurement of the effective mass along the growth direction of a thin-barrier GaAs–AlAs superlattice 229 (1990) 493

D.F. Howell, T.J.B.M. Janssen, R.J. Nicholas, C.J.G.M. Langerak, J. Singleton and A. Chevy, 2D cyclotron resonance and magneto-polaron coupling to homopolar and LO phonons in the layered semiconductor InSe 229 (1990) 496

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J. Luo, H. Munekata, F.F. Fang and P.J. Stiles, The effects of inversion asymmetry on subband structures in GaSb–InAs–GaSb quantum wells 229 (1990) 73

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L. Engel, H.P. Wei, D.C. Tsui and M. Shayegan, Critical exponent in the fractional quantum Hall effect 229 (1990) 13

J.P. Eisenstein, H.L. Stormer, L.N. Pfeiffer and K.W. West, Spin-dependent properties of the fractional quantum Hall effect at odd denominators 229 (1990) 21

J.P. Eisenstein, R.L. Willett, H.L. Stormer, L.N. Pfeiffer and K.W. West, Activation energies for the even-dominator fractional quantum Hall effect 229 (1990) 31

H.P. Wei, S.W. Hwang, D.C. Tsui and A.M.M. Pruisken, New results on scaling in the integral quantum Hall effect 229 (1990) 34

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V.K. Talyanskii, M. Wassermeier, A. Wixforth, J. Oshinowo, J.P. Kotthaus, I.E. Batov, G. Weimann, H. Nickel and W. Schlapp, Edge magnetoplasmons in the quantum Hall effect regime 229 (1990) 40

H. Sigg, J. Richter, K. von Klitzing and K. Ploog, Percolation at $\nu = 1$ in the 2D electron system of e^--beam irradiated AlGaAs/GaAs heterostructures 229 (1990) 43

P.F. Fontein, P. Hendriks and J.H. Wolter, Contactless measurement of the spatial potential distribution in the quantum Hall effect 229 (1990) 47

K.Y. Lim, I. Auer, F. Kuchar, G. Weimann, W. Schlapp, A. Forchel and A. Menschig, The effect of lateral constriction and high measuring frequencies on the conductivity of the 2DEG in GaAs/AlGaAs 229 (1990) 50

S.V. Kravchenko, B.K. Medvedev, V.G. Mokerov, V.M. Pudalov, D.A. Rinberg and S.G. Semenchinsky, On the phase diagrams of the magnetoconductivity for 2D electron systems 229 (1990) 63

F.A.P. Blom, P.F. Fontein, J.H. Wolter, F.M. Peeters, X. Wu, F. Geerinckx and J.T. Devreese, Temperature dependence of the amplitude of the Shubnikov–de Haas oscillations in a two-dimensional electron gas 229 (1990) 70

W. Heuring, E. Bangert, K. Grötsch, G. Landwehr, G. Weimann, W. Schlapp,

J.-H. Reemtsma and K. Heime, Influence of warping on quantum oscillations in p-type GaAs–(GaAl)As heterostructures 229 (1990) 76

Y. Ma, R. Fletcher, E. Zaremba, M. D'Iorio, C.T. Foxon and J.J. Harris, Effect of second subband occupancy on energy relaxation of electrons in a 2D gas at $Al_xGa_{1-x}As/GaAs$ heterojunctions at low temperatures 229 (1990) 80

M. Shayegan, T. Sajoto, J. Jo, M. Santos and L. Engel, Magnetotransport in a wide parabolic quantum well 229 (1990) 83

D. Weiss, K. von Klitzing, K. Ploog and G. Weimann, Landau level broadening and Van Hove singularities in lateral surface superlattices 229 (1990) 88

R. Taboryski, E. Veje and P.E. Lindelof, Localization and interaction effects in GaAs/AlGaAs heterostructures modified by ^{4}He-ion implantation 229 (1990) 105

J.J. Harris, C.T. Foxon, D. Hilton, J. Hewett, C. Roberts and S. Auzoux, Acoustic phonon scattering in ultra-high mobility, low carrier density GaAs/(Al,Ga)As heterojunctions 229 (1990) 113

A. Lega, H. Karl, W. Dietsche, A. Fischer and K. Ploog, Phonon-drag effect in GaAs–AlGaAs heterostructures by monochromatic phonons 229 (1990) 116

D. Lancefield, W. Batty, C.G. Crookes, E.P. O'Reilly, A.R. Adams, K.P. Homewood, G. Sundaram, R.J. Nicholas, M. Emeny and C.R. Whitehouse, Pressure dependence of light-hole transport in strained InGaAs/GaAs 229 (1990) 122

M. Dobers, Electron spin resonance and Overhauser shift of two-dimensional conduction electrons 229 (1990) 126

B.B. Goldberg, D. Heiman and A. Pinczuk, Exchange enhancement of the spin gap of a spin-polarized 2D electron gas determined by optical absorption spectroscopy 229 (1990) 137

M. Potemski, J.C. Maan, A. Fasolino, K. Ploog and G. Weimann, Exchange splitting of the heavy hole exciton ground state in GaAs–GaAlAs quantum wells 229 (1990) 151

K. Hirakawa, H. Sakaki and T. Ikoma, Electron–phonon interaction in $GaAs/Al_xGa_{1-x}As/GaAs$ single-barrier heterojunction diodes 229 (1990) 161

E.E. Mendez and L.L. Chang, Tunneling between two-dimensional electron gases 229 (1990) 173

E. Böckenhoff and K. von Klitzing, Spectroscopy of the Fermi energy in quantizing magnetic fields via resonant tunneling 229 (1990) 182

M.S. Skolnick, A.W. Higgs, P.E. Simmonds, D.G. Hayes, G.W. Smith, H.J. Hutchinson, A.D. Pitt, C.R. Whitehouse, L. Eaves, M. Henini and O.H. Hughes, Electronic processes in double barrier resonant tunneling structures investigated by optical spectroscopy 229 (1990) 185

D.Y. Oberli, Jagdeep Shah, T.C. Damen, J.M. Kuo, R.F. Kopf and J.E. Henry, Tunneling in double quantum well structures: role of optical phonons 229 (1990) 189

R. Ferreira, H.W. Liu, C. Delalande, G. Bastard, J.F. Palmier and B. Etienne, Electron, hole and exciton tunneling in a biased quantum well structure 229 (1990) 192

M. Nido, M.G.W. Alexander, K. Reimann, K. Ploog, W.W. Rühle and K. Köhler, Electron tunneling via Γ- and X-states in $GaAs/Al_{0.35}Ga_{0.65}As$ double quantum well structures 229 (1990) 195

A.M. Chang and T.Y. Chang, Quenching of the Hall effect in a novel geometry 229 (1990) 209

A.M. Chang and J.E. Cunningham, Transmission and reflection probabilities between the $\nu = 1$ and the $\nu = \frac{2}{3}$ quantum Hall effects 229 (1990) 216

G. Timp, R. Behringer, J.E. Cunningham and R.E. Howard, Fractional quantized Hall effect in a ballistic constriction in a two-dimensional electron gas 229 (1990) 219

S. Komiyama, H. Hirai, S. Sasa and T. Fujii, Non-equilibrium population of edge states and a role of contacts in the quantum Hall regime 229 (1990) 224

R.J. Haug, K. von Klitzing, K. Ploog and P. Streda, Edge state transport in high magnetic fields in a two-dimensional electron gas 229 (1990) 229

D.A. Wharam, R. Newbury, M. Pepper, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie, D.C. Peacock, G.A.C. Jones, T.J. Thornton and U. Ekenberg, Ballistic electron transport in quasi-one-dimensional systems 229 (1990) 233

K. Kash, J.M. Worlock, A.S. Gozdz, B.P. Van der Gaag, J.P. Harbison, P.S.D. Lin and L.T. Florez, Excitation spectroscopy of strain-patterned semiconductor wires 229 (1990) 245

M. Kohl, D. Heitmann, P. Grambow and K. Ploog, Effect of the wire width on

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A.D. Wieck and K. Ploog, Tunable in-plane-gated (IPG) quantum wire structures fabricated with directly written focused ion beams 229 (1990) 252
K. Kern, T. Demel, D. Heitmann, P. Grambow, K. Ploog and M. Razeghi, One-dimensional electronic systems in ultra-fine mesa etched InGaAs–InAlAs–InP quantum wires 229 (1990) 256
D. Mailly and M. Sanquer, Reduction of the quantum noise in a GaAlAs/GaAs heterojunction and n^+ GaAs wires of mesoscopic size by a magnetic field 229 (1990) 260
M.H. Degani and O. Hipólito, Electron–polar optical phonon scattering rates in multisubband quantum wire structures 229 (1990) 279
L.P. Kouwenhoven, B.J. van Wees, K.J.P.M. Harmans and J.G. Williamson, Transport through zero-dimensional states in a quantum dot 229 (1990) 290
J.G. Williamson, H. van Houten, C.W.J. Beenakker, M.E.I. Broekaart, L.I.A. Spendeler, B.J. van Wees and C.T. Foxon, Injection of ballistic hot electrons and cool holes in a two-dimensional electron gas 229 (1990) 303
P.L. McEuen, B.W. Alphenaar, R.G. Wheeler and R.N. Sacks, Resonant transport effects due to an impurity in a narrow constriction 229 (1990) 312
W. Hansen, T.P. Smith III, D.P. DiVincenzo, K.Y. Lee, Y.H. Lee and R. Cheung, Quantum fluctuations in n^+ GaAs wires with invasive probes 229 (1990) 321
T. Galloway, B.L. Gallagher, P. Beton, J.P. Oxley, M. Carter, S.P. Beaumont, S. Thoms and C.D.W. Wilkinson, Universal thermopower and rectification fluctuations 229 (1990) 326
Jun Ma, R.A. Puechner, W.-P. Liu, A.M. Kriman, G.N. Maracas and D.K. Ferry, h/e periodicity of weak localization in semiconductor surface superlattices 229 (1990) 341
D.C. Glattli, G. Deville, V. Duburcq, F.I.B. Williams, E. Paris, B. Etienne and E.Y. Andrei, Experiments on ordering in classical and quantum 2D electron systems 229 (1990) 344
M. Potemski, J.C. Maan, K. Ploog and G. Weimann, High intensity excitation luminescence of quantum wells in high magnetic fields 229 (1990) 380
A. Pinczuk, J.P. Valladares, D. Heiman, L.N. Pfeiffer and K.W. West, Light scattering determination of roton densities of states in two-dimensional Landau level excitations 229 (1990) 384
T. Zettler, C. Peters, J.P. Kotthaus and K. Ploog, Resonant Raman scattering of coupled magnetoplasmon–cyclotron modes in layered two-dimensional electron systems 229 (1990) 388
T. Egeler, G. Abstreiter, G. Weimann, T. Demel, D. Heitmann and W. Schlapp, Grating coupler effects on inelastic light scattering by plasmons in micro structured GaAs MQW systems 229 (1990) 391
B. Jusserand, D.R. Richards, G. Fasol, G. Weimann and W. Schlapp, Single particle excitations and plasmons in a single asymmetric modulation-doped GaAs quantum well 229 (1990) 394
U. Bockelmann, P. Hiergeist, G. Abstreiter, G. Weimann and W. Schlapp, Relevant scattering processes, band gap renormalization and Moss–Burstein shift in modulation doped narrow GaAs/AlGaAs multiple quantum wells 229 (1990) 398
S.-R.E. Yang and A.H. MacDonald, Stress and the Van Hove singularities of hole magnetoplasmons 229 (1990) 402
R. Jalabert and S. Das Sarma, Many-body effects in GaAs-based two-dimensional electron systems 229 (1990) 405
J.M. Gerard and J.Y. Marzin, Optical study of probability densities in quantum well eigenstates 229 (1990) 433
A.P. Thorn, P.C. Klipstein and R.W. Glew, Electro-optical properties of GaAs doping superlattices containing extreme electric fields 229 (1990) 439
I.V. Kukushkin, A.S. Plaut, K. von Klitzing and K. Ploog, Luminescence experiments on acceptor δ-doped GaAs–AlGaAs single heterojunctions with optically tunable electron concentration 229 (1990) 447
J. Feldmann, R. Sattmann, G. Peter, E.O. Göbel, J. Nunnenkamp, J. Kuhl, J. Hebling, K. Ploog, R. Cingolani, R. Muralidharan, P. Dawson and C.T. Foxon, Determination of Γ–X transfer rates in type II (Al)GaAs/AlAs superlattices 229 (1990) 452
J.M. Gerard, J.Y. Marzin, C. d'Anterroches, B. Soucail and P. Voisin, Optical study of the band structure of InAs/GaAs ordered alloys 229 (1990) 456
I.N. Uraltsev, V.P. Kochereshko, P.S. Kop'ev, A.M. Vasiliev and D.R. Yakovlev, Optical phenomena eluci-

dating carrier transport in short-period superlattices 229 (1990) 459
D. Scalbert, J. Cernogora, C. Benoit à la Guillaume, M. Maaref, F.F. Charfi and R. Planel, Exciton radiative lifetime in short period GaAs–AlAs superlattices of type II 229 (1990) 464
B. Soucail, P. Voisin, M. Voos and M. Allovon, Optical investigations of semiconductor superlattices in parallel electric and magnetic fields 229 (1990) 468
J.A. Brum and F. Agulló-Rueda, Stark ladder excitonic transitions 229 (1990) 472
M. Schlierkamp, R. Wille, K. Greipel, U. Rössler, W. Schlapp and G. Weimann, Confined excitons under biaxial compression and tension 229 (1990) 476
W.M. Chen, B. Monemar, Q.X. Zhao, P.O. Holtz, M. Sundaram, J.L. Merz and A.C. Gossard, Characterization of GaAs/AlGaAs heterojunctions by optical detection of cyclotron resonance 229 (1990) 484
G. Wiggins, R.J. Nicholas, J.J. Harris and C.T. Foxon, Bound state cyclotron resonance in modulation doped GaAs–$Al_xGa_{1-x}As$ quantum wells 229 (1990) 488
G. Brozak, F. DeRosa, D.M. Hwang, P. Miceli, S.A. Schwarz, J.P. Harbison, L.T. Florez and S.J. Allen, Jr., Measurement of the effective mass along the growth direction of a thin-barrier GaAs–AlAs superlattice 229 (1990) 493
L. Viña, G.E.W. Bauer, M. Potemski, J.C. Maan, E.E. Mendez and W.I. Wang, Magnetic field effects in highly resolved two-dimensional excitons 229 (1990) 504
H. Yoshimura and H. Sakaki, Magneto-luminescence study of carrier-induced excitonic to free-carrier transition of radiative recombination in a semiconductor quantum well 229 (1990) 508
D.G. Hayes, M.S. Skolnick, L. Eaves, P.E. Simmonds, L.L. Taylor, S.J. Bass and K.J. Nash, Photoluminescence and transport studies of wide (InGa)As/InP quantum wells in high magnetic field 229 (1990) 512
R. Stępniewski, W. Knap, A. Raymond, G. Martinez, J.C. Maan, B. Etienne and K. Ploog, Exciton–one-component plasma interaction in high magnetic fields 229 (1990) 519
I.M. Grodnensky and A.Yu. Kamaev, Properties of edge magnetoplasmons in a degenerate 2D electron gas 229 (1990) 522

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A.H. MacDonald, The fractional Hall effect in multi-component systems 229 (1990) 1
J.E. Furneaux, D.A. Syphers, J. Poulin and B.A. Mason, The high temperature behavior of the fractional quantum Hall effect 229 (1990) 7
V.J. Goldman and M. Shayegan, Fractional quantum Hall states at $\nu = 7/11$ and 9/13 229 (1990) 10
L. Engel, H.P. Wei, D.C. Tsui and M. Shayegan, Critical exponent in the fractional quantum Hall effect 229 (1990) 13
T. Chakraborty, Spin-reversed ground state and energy gap in the fractional quantum Hall effect 229 (1990) 16
J.P. Eisenstein, H.L. Stormer, L.N. Pfeiffer and K.W. West, Spin-dependent properties of the fractional quantum Hall effect at odd denominators 229 (1990) 21
R.G. Clark, S.R. Haynes, J.V. Branch, A.M. Suckling, P.A. Wright, P.M.W. Oswald, J.J. Harris and C.T. Foxon, Spin configurations and quasiparticle fractional charge of fractional QHE ground states in the $N = 0$ Landau level 229 (1990) 25
J.P. Eisenstein, R.L. Willett, H.L. Stormer, L.N. Pfeiffer and K.W. West, Activation energies for the even-dominator fractional quantum Hall effect 229 (1990) 31
H.P. Wei, S.W. Hwang, D.C. Tsui and A.M.M. Pruisken, New results on scaling in the integral quantum Hall effect 229 (1990) 34
D.A. Syphers, J.H. Killoran, H.E. Brakewood, F. Reis and P.J. Stiles, Comparisons of edge state versus bulk conduction in the quantum Hall regime 229 (1990) 37
V.K. Talyanskii, M. Wassermeier, A. Wixforth, J. Oshinowo, J.P. Kotthaus, I.E. Batov, G. Weimann, H. Nickel and W. Schlapp, Edge magnetoplasmons in the quantum Hall effect regime 229 (1990) 40
P.F. Fontein, P. Hendriks and J.H. Wolter, Contactless measurement of the spatial potential distribution in the quantum Hall effect 229 (1990) 47

K.Y. Lim, I. Auer, F. Kuchar, G. Weimann, W. Schlapp, A. Forchel and A. Menschig, The effect of lateral constriction and high measuring frequencies on the conductivity of the 2DEG in GaAs/AlGaAs 229 (1990) 50
P.A. Russell, F.F. Ouali, N.P. Hewett and L.J. Challis, Power dissipation in the quantum Hall regime 229 (1990) 54
P.C. van Son, G.H. Kruithof and T.M. Klapwijk, Intrinsic sequence in the breakdown of the quantum Hall effect 229 (1990) 57
J. Wakabayashi, A. Fukano, S. Kawaji, Y. Koike and T. Fukase, Experiments on localization in Landau subbands with the Landau quantum number 0 and 1 of Si inversion layers 229 (1990) 60
P. Vasilopoulos and F.M. Peeters, Magneto-resistance and Hall resistance in a 1D periodically modulated two-dimensional electron gas 229 (1990) 96
T. Maniv and I.D. Vagner, Nuclear spin–lattice relaxation in quasi 2D-systems: the role of impurity scattering 229 (1990) 134
M. Büttiker, Transmission probabilities and the quantum Hall effect 229 (1990) 201
A.M. Chang and T.Y. Chang, Quenching of the Hall effect in a novel geometry 229 (1990) 209
H.U. Baranger and A.D. Stone, Geometrical effects on the Hall resistance in ballistic microstructures 229 (1990) 212
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G. Timp, R. Behringer, J.E. Cunningham and R.E. Howard, Fractional quantized Hall effect in a ballistic constriction in a two-dimensional electron gas 229 (1990) 219
S. Komiyama, H. Hirai, S. Sasa and T. Fujii, Non-equilibrium population of edge states and a role of contacts in the quantum Hall regime 229 (1990) 224
H. Akera and T. Ando, Current distribution and Hall resistance in quantum wires 229 (1990) 268
C.J.B. Ford, S. Washburn, M. Büttiker, C.M. Knoedler and J.M. Hong, The Hall effect in ballistic junctions 229 (1990) 298
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L. Engel, H.P. Wei, D.C. Tsui and M. Shayegan, Critical exponent in the fractional quantum Hall effect 229 (1990) 13
J.P. Eisenstein, H.L. Stormer, L.N. Pfeiffer and K.W. West, Spin-dependent properties of the fractional quantum Hall effect at odd denominators 229 (1990) 21
J.P. Eisenstein, R.L. Willett, H.L. Stormer, L.N. Pfeiffer and K.W. West, Activation energies for the even-dominator fractional quantum Hall effect 229 (1990) 31
H.P. Wei, S.W. Hwang, D.C. Tsui and A.M.M. Pruisken, New results on scaling in the integral quantum Hall effect 229 (1990) 34
D.A. Syphers, J.H. Killoran, H.E. Brakewood, F. Reis and P.J. Stiles, Comparisons of edge state versus bulk conduction in the quantum Hall regime 229 (1990) 37
V.K. Talyanskii, M. Wassermeier, A. Wixforth, J. Oshinowo, J.P. Kotthaus, I.E. Batov, G. Weimann, H. Nickel and W. Schlapp, Edge magnetoplasmons in the quantum Hall effect regime 229 (1990) 40
H. Sigg, J. Richter, K. von Klitzing and K. Ploog, Percolation at $\nu = 1$ in the 2D electron system of e^--beam irradiated AlGaAs/GaAs heterostructures 229 (1990) 43
P.F. Fontein, P. Hendriks and J.H. Wolter, Contactless measurement of the spatial potential distribution in the quantum Hall effect 229 (1990) 47
P.A. Russell, F.F. Ouali, N.P. Hewett and L.J. Challis, Power dissipation in the quantum Hall regime 229 (1990) 54
S.V. Kravchenko, B.K. Medvedev, V.G. Mokerov, V.M. Pudalov, D.A. Rinberg and S.G. Semenchinsky, On the phase diagrams of the magnetoconductivity for 2D electron systems 229 (1990) 63
F.A.P. Blom, P.F. Fontein, J.H. Wolter, F.M. Peeters, X. Wu, F. Geerinckx and J.T. Devreese, Temperature dependence of the amplitude of the Shubnikov–de Haas oscillations in a two-dimensional electron gas 229 (1990) 70
J. Luo, H. Munekata, F.F. Fang and P.J. Stiles, The effects of inversion asymmetry on subband structures in GaSb–InAs–GaSb quantum wells 229 (1990) 73

W. Heuring, E. Bangert, K. Grötsch, G. Landwehr, G. Weimann, W. Schlapp, J.-H. Reemtsma and K. Heime, Influence of warping on quantum oscillations in p-type GaAs–(GaAl)As heterostructures 229 (1990) 76

Y. Ma, R. Fletcher, E. Zaremba, M. D'Iorio, C.T. Foxon and J.J. Harris, Effect of second subband occupancy on energy relaxation of electrons in a 2D gas at $Al_xGa_{1-x}As/GaAs$ heterojunctions at low temperatures 229 (1990) 80

D. Weiss, K. von Klitzing, K. Ploog and G. Weimann, Landau level broadening and Van Hove singularities in lateral surface superlattices 229 (1990) 88

J.L. Pichard, P.A. Mello, A.D. Stone and N. Zanon, Maximum entropy approaches to quantum transport 229 (1990) 101

R. Taboryski, E. Veje and P.E. Lindelof, Localization and interaction effects in GaAs/AlGaAs heterostructures modified by ^{4}He-ion implantation 229 (1990) 105

J.J. Harris, C.T. Foxon, D. Hilton, J. Hewett, C. Roberts and S. Auzoux, Acoustic phonon scattering in ultra-high mobility, low carrier density GaAs/(Al,Ga)As heterojunctions 229 (1990) 113

A. Lega, H. Karl, W. Dietsche, A. Fischer and K. Ploog, Phonon-drag effect in GaAs–AlGaAs heterostructures by monochromatic phonons 229 (1990) 116

D. Lancefield, W. Batty, C.G. Crookes, E.P. O'Reilly, A.R. Adams, K.P. Homewood, G. Sundaram, R.J. Nicholas, M. Emeny and C.R. Whitehouse, Pressure dependence of light-hole transport in strained InGaAs/GaAs 229 (1990) 122

M. Dobers, Electron spin resonance and Overhauser shift of two-dimensional conduction electrons 229 (1990) 126

B.B. Goldberg, D. Heiman and A. Pinczuk, Exchange enhancement of the spin gap of a spin-polarized 2D electron gas determined by optical absorption spectroscopy 229 (1990) 137

L. Brey and B.I. Halperin, Possible spin-density wave in wide parabolic quantum wells 229 (1990) 142

D.D. Awschalom, M.R. Freeman, C. Hsu and L.L. Chang, Ultrafast spin dynamics in diluted magnetic semiconductor superlattices 229 (1990) 145

Q. Fu, N. Pelekanos, A.V. Nurmikko, S. Durbin, J. Han, O. Sungki, D. Menke, M. Kobayashi and R.L. Gunshor, Strong confinement effects in CdTe/MnTe quantum wells: a new strained layer binary II–VI heterostructure 229 (1990) 148

M. Potemski, J.C. Maan, A. Fasolino, K. Ploog and G. Weimann, Exchange splitting of the heavy hole exciton ground state in GaAs–GaAlAs quantum wells 229 (1990) 151

K. Hirakawa, H. Sakaki and T. Ikoma, Electron–phonon interaction in $GaAs/Al_xGa_{1-x}As/GaAs$ single-barrier heterojunction diodes 229 (1990) 161

R. Ferreira and G. Bastard, Assisted hole tunneling in double quantum well structures 229 (1990) 165

E.E. Mendez and L.L. Chang, Tunneling between two-dimensional electron gases 229 (1990) 173

E. Böckenhoff and K. von Klitzing, Spectroscopy of the Fermi energy in quantizing magnetic fields via resonant tunneling 229 (1990) 182

M.S. Skolnick, A.W. Higgs, P.E. Simmonds, D.G. Hayes, G.W. Smith, H.J. Hutchinson, A.D. Pitt, C.R. Whitehouse, L. Eaves, M. Henini and O.H. Hughes, Electronic processes in double barrier resonant tunneling structures investigated by optical spectroscopy 229 (1990) 185

D.Y. Oberli, Jagdeep Shah, T.C. Damen, J.M. Kuo, R.F. Kopf and J.E. Henry, Tunneling in double quantum well structures: role of optical phonons 229 (1990) 189

R. Ferreira, H.W. Liu, C. Delalande, G. Bastard, J.F. Palmier and B. Etienne, Electron, hole and exciton tunneling in a biased quantum well structure 229 (1990) 192

M. Nido, M.G.W. Alexander, K. Reimann, K. Ploog, W.W. Rühle and K. Köhler, Electron tunneling via Γ- and X-states in $GaAs/Al_{0.35}Ga_{0.65}As$ double quantum well structures 229 (1990) 195

M. Helm, P. England, E. Colas, F. DeRosa and S.J. Allen, Jr., Intersubband emission excited by high field superlattice transport 229 (1990) 199

A.M. Chang and T.Y. Chang, Quenching of the Hall effect in a novel geometry 229 (1990) 209

A.M. Chang and J.E. Cunningham, Transmission and reflection probabilities between the $\nu = 1$ and the $\nu = \frac{2}{3}$ quantum Hall effects 229 (1990) 216

G. Timp, R. Behringer, J.E. Cunningham and R.E. Howard, Fractional quantized Hall effect in a ballistic constriction in a two-dimensional electron gas 229 (1990) 219

S. Komiyama, H. Hirai, S. Sasa and T. Fujii, Non-equilibrium population of edge states and a role of contacts in the quantum Hall regime 229 (1990) 224

R.J. Haug, K. von Klitzing, K. Ploog and P. Streda, Edge state transport in high magnetic fields in a two-dimensional electron gas 229 (1990) 229

D.A. Wharam, R. Newbury, M. Pepper, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie, D.C. Peacock, G.A.C. Jones, T.J. Thornton and U. Ekenberg, Ballistic electron transport in quasi-one-dimensional systems 229 (1990) 233

T.P. Smith III, Quantum confinement in few-electron systems 229 (1990) 239

M. Kohl, D. Heitmann, P. Grambow and K. Ploog, Effect of the wire width on 1D magneto excitons in GaAs–AlGaAs quantum-well wires 229 (1990) 248

A.D. Wieck and K. Ploog, Tunable in-plane-gated (IPG) quantum wire structures fabricated with directly written focused ion beams 229 (1990) 252

K. Kern, T. Demel, D. Heitmann, P. Grambow, K. Ploog and M. Razeghi, One-dimensional electronic systems in ultra-fine mesa etched InGaAs–InAlAs–InP quantum wires 229 (1990) 256

D. Mailly and M. Sanquer, Reduction of the quantum noise in a GaAlAs/GaAs heterojunction and n^+ GaAs wires of mesoscopic size by a magnetic field 229 (1990) 260

S. Das Sarma, S. He and Qiang Li, Optical and transport properties of one-dimensional quantum wire structures 229 (1990) 264

F.M. Peeters and P. Vasilopoulos, Electrical transport in a quantum wire 229 (1990) 271

V. Shikin, T. Demel and D. Heitmann, Plasma and single particle excitations in quasi-one-dimensional electron systems 229 (1990) 276

M.H. Degani and O. Hipólito, Electron–polar optical phonon scattering rates in multisubband quantum wire structures 229 (1990) 279

L.P. Kouwenhoven, B.J. van Wees, K.J.P.M. Harmans and J.G. Williamson, Transport through zero-dimensional states in a quantum dot 229 (1990) 290

J.G. Williamson, H. van Houten, C.W.J. Beenakker, M.E.I. Broekaart, L.I.A. Spendeler, B.J. van Wees and C.T. Foxon, Injection of ballistic hot electrons and cool holes in a two-dimensional electron gas 229 (1990) 303

P.L. McEuen, B.W. Alphenaar, R.G. Wheeler and R.N. Sacks, Resonant transport effects due to an impurity in a narrow constriction 229 (1990) 312

T. Galloway, B.L. Gallagher, P. Beton, J.P. Oxley, M. Carter, S.P. Beaumont, S. Thoms and C.D.W. Wilkinson, Universal thermopower and rectification fluctuations 229 (1990) 326

Jun Ma, R.A. Puechner, W.-P. Liu, A.M. Kriman, G.N. Maracas and D.K. Ferry, h/e periodicity of weak localization in semiconductor surface superlattices 229 (1990) 341

D.C. Glattli, G. Deville, V. Duburcq, F.I.B. Williams, E. Paris, B. Etienne and E.Y. Andrei, Experiments on ordering in classical and quantum 2D electron systems 229 (1990) 344

W.H. Knox, Femtosecond carrier dynamics in modulation-doped quantum wells 229 (1990) 371

G.E.W. Bauer, Correlation effects on the optical properties of confined plasmas 229 (1990) 374

M. Potemski, J.C. Maan, K. Ploog and G. Weimann, High intensity excitation luminescence of quantum wells in high magnetic fields 229 (1990) 380

A. Pinczuk, J.P. Valladares, D. Heiman, L.N. Pfeiffer and K.W. West, Light scattering determination of roton densities of states in two-dimensional Landau level excitations 229 (1990) 384

T. Zettler, C. Peters, J.P. Kotthaus and K. Ploog, Resonant Raman scattering of coupled magnetoplasmon–cyclotron modes in layered two-dimensional electron systems 229 (1990) 388

U. Bockelmann, P. Hiergeist, G. Abstreiter, G. Weimann and W. Schlapp, Relevant scattering processes, band gap renormalization and Moss–Burstein shift in modulation doped narrow GaAs/AlGaAs multiple quantum wells 229 (1990) 398

S.-R.E. Yang and A.H. MacDonald, Stress and the Van Hove singularities of hole magnetoplasmons 229 (1990) 402

R. Jalabert and S. Das Sarma, Many-body effects in GaAs-based two-dimensional electron systems 229 (1990) 405

S. Yarlagadda and G.F. Giuliani, Many-body local fields and quasiparticle renormalization effects in two-dimensional electronic systems 229 (1990) 410

J. Zhang and S. Ulloa, Single-particle and collective excitations of doped superlattices and d-parameter theory 229 (1990) 415

U. Ekenberg, Wave function engineering in asymmetric modulation-doped quantum wells 229 (1990) 419
R. Ferreira and G. Bastard, Some calculations on the Wannier–Stark states 229 (1990) 424
M. Alikacem, M.L. Leadbeater, D.K. Maude, M. Davies, L. Eaves, M. Heath, L. Dmowski, J.C. Portal, D. Ashenford and B. Lunn, High pressure and high magnetic field studies of the two-dimensional electron gas at a CdTe/InSb interface 229 (1990) 428
J.M. Gerard and J.Y. Marzin, Optical study of probability densities in quantum well eigenstates 229 (1990) 433
A.P. Thorn, P.C. Klipstein and R.W. Glew, Electro-optical properties of GaAs doping superlattices containing extreme electric fields 229 (1990) 439
I.V. Kukushkin, A.S. Plaut, K. von Klitzing and K. Ploog, Luminescence experiments on acceptor δ-doped GaAs–AlGaAs single heterojunctions with optically tunable electron concentration 229 (1990) 447
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J.M. Gerard, J.Y. Marzin, C. d'Anterroches, B. Soucail and P. Voisin, Optical study of the band structure of InAs/GaAs ordered alloys 229 (1990) 456
I.N. Uraltsev, V.P. Kochereshko, P.S. Kop'ev, A.M. Vasiliev and D.R. Yakovlev, Optical phenomena elucidating carrier transport in short-period superlattices 229 (1990) 459
D. Scalbert, J. Cernogora, C. Benoit à la Guillaume, M. Maaref, F.F. Charfi and R. Planel, Exciton radiative lifetime in short period GaAs–AlAs superlattices of type II 229 (1990) 464
B. Soucail, P. Voisin, M. Voos and M. Allovon, Optical investigations of semiconductor superlattices in parallel electric and magnetic fields 229 (1990) 468
M. Schlierkamp, R. Wille, K. Greipel, U. Rössler, W. Schlapp and G. Weimann, Confined excitons under biaxial compression and tension 229 (1990) 476
H. Tuffigo, B. Lavigne, R.T. Cox, G. Lentz, N. Magnea and H. Mariette, Strong effects of electron–hole Coulomb interaction on optical properties of CdTe quantum wells 229 (1990) 480
W.M. Chen, B. Monemar, Q.X. Zhao, P.O. Holtz, M. Sundaram, J.L. Merz and A.C. Gossard, Characterization of GaAs/AlGaAs heterojunctions by optical detection of cyclotron resonance 229 (1990) 484
G. Wiggins, R.J. Nicholas, J.J. Harris and C.T. Foxon, Bound state cyclotron resonance in modulation doped GaAs–$Al_xGa_{1-x}As$ quantum wells 229 (1990) 488
G. Brozak, F. DeRosa, D.M. Hwang, P. Miceli, S.A. Schwarz, J.P. Harbison, L.T. Florez and S.J. Allen, Jr., Measurement of the effective mass along the growth direction of a thin-barrier GaAs–AlAs superlattice 229 (1990) 493
J.M. Berroir, Y. Guldner, J. Manasses, J.P. Vieren, M. Voos, X. Chu and J.P. Faurie, Evidence for semimetallic character in $Hg_{1-x}Zn_xTe$–CdTe superlattices 229 (1990) 501
L. Viña, G.E.W. Bauer, M. Potemski, J.C. Maan, E.E. Mendez and W.I. Wang, Magnetic field effects in highly resolved two-dimensional excitons 229 (1990) 504
H. Yoshimura and H. Sakaki, Magneto-luminescence study of carrier-induced excitonic to free-carrier transition of radiative recombination in a semiconductor quantum well 229 (1990) 508
D.G. Hayes, M.S. Skolnick, L. Eaves, P.E. Simmonds, L.L. Taylor, S.J. Bass and K.J. Nash, Photoluminescence and transport studies of wide (InGa)As/InP quantum wells in high magnetic field 229 (1990) 512
K. Karraï, X. Ying, H.D. Drew and M. Shayegan, Magnetoplasma effects in a quasi-three-dimensional electron gas 229 (1990) 515
R. Stępniewski, W. Knap, A. Raymond, G. Martinez, J.C. Maan, B. Etienne and K. Ploog, Exciton–one-component plasma interaction in high magnetic fields 229 (1990) 519
I.M. Grodnensky and A.Yu. Kamaev, Properties of edge magnetoplasmons in a degenerate 2D electron gas 229 (1990) 522

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M. Alikacem, M.L. Leadbeater, D.K. Maude, M. Davies, L. Eaves, M.

Heath, L. Dmowski, J.C. Portal, D. Ashenford and B. Lunn, High pressure and high magnetic field studies of the two-dimensional electron gas at a CdTe/InSb interface 229 (1990) 428

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J. Luo, H. Munekata, F.F. Fang and P.J. Stiles, The effects of inversion asymmetry on subband structures in GaSb–InAs–GaSb quantum wells 229 (1990) 73

D. Lancefield, W. Batty, C.G. Crockes, E.P. O'Reilly, A.R. Adams, K.P. Homewood, G. Sundaram, R.J. Nicholas, M. Emeny and C.R. Whitehouse, Pressure dependence of light-hole transport in strained InGaAs/GaAs 229 (1990) 122

J.M. Gerard, J.Y. Marzin, C. d'Anterroches, B. Soucail and P. Voisin, Optical study of the band structure of InAs/GaAs ordered alloys 229 (1990) 456

B. Soucail, P. Voisin, M. Voos and M. Allovon, Optical investigations of semiconductor superlattices in parallel electric and magnetic fields 229 (1990) 468

Indium phosphide

H.P. Wei, S.W. Hwang, D.C. Tsui and A.M.M. Pruisken, New results on scaling in the integral quantum Hall effect 229 (1990) 34

D. Lavielle, J.C. Portal, M.A. di Forte-Poisson, C. Brylinksi and E. Blondeau, Two-dimensional persistent photoconductivity and magnetic freeze-out in lightly "δ"-doped InP 229 (1990) 119

M. Dobers, Electron spin resonance and Overhauser shift of two-dimensional conduction electrons 229 (1990) 126

K. Kern, T. Demel, D. Heitmann, P. Grambow, K. Ploog and M. Razeghi, One-dimensional electronic systems in ultra-fine mesa etched InGaAs–InAlAs–InP quantum wires 229 (1990) 256

D.G. Hayes, M.S. Skolnick, L. Eaves, P.E. Simmonds, L.L. Taylor, S.J. Bass and K.J. Nash, Photoluminescence and transport studies of wide (InGa)As/InP quantum wells in high magnetic field 229 (1990) 512

Infrared spectroscopy

K. Kern, T. Demel, D. Heitmann, P. Grambow, K. Ploog and M. Razeghi, One-dimensional electronic systems in ultra-fine mesa etched InGaAs–InAlAs–InP quantum wires 229 (1990) 256

Ch. Sikorski and U. Merkt, Magneto-optics with few electrons in quantum dots on InSb 229 (1990) 282

J. Alsmeier, E. Batke and J.P. Kotthaus, Field-effect tunable quantum dots on silicon 229 (1990) 287

J. Zhang and S. Ulloa, Single-particle and collective excitations of doped superlattices and *d*-parameter theory 229 (1990) 415

K. Karraï, X. Ying, H.D. Drew and M. Shayegan, Magnetoplasma effects in a quasi-three-dimensional electron gas 229 (1990) 515

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A.D. Wieck and K. Ploog, Tunable in-plane-gated (IPG) quantum wire structures fabricated with directly written focused ion beams 229 (1990) 252

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R. Taboryski, E. Veje and P.E. Lindelof, Localization and interaction effects in GaAs/AlGaAs heterostructures modified by ^{4}He-ion implantation 229 (1990) 105

Light scattering

A. Pinczuk, J.P. Valladares, D. Heiman, L.N. Pfeiffer and K.W. West, Light scattering determination of roton densities of states in two-dimensional Landau level excitations 229 (1990) 384

Luminescence

D.D. Awschalom, M.R. Freeman, C. Hsu and L.L. Chang, Ultrafast spin dynamics in diluted magnetic semiconductor superlattices 229 (1990) 145

Q. Fu, N. Pelekanos, A.V. Nurmikko, S. Durbin, J. Han, O. Sungki, D. Menke, M. Kobayashi and R.L. Gunshor, Strong confinement effects in CdTe/MnTe quantum wells: a new strained layer binary II–VI heterostructure 229 (1990) 148

M. Potemski, J.C. Maan, A. Fasolino, K. Ploog and G. Weimann, Exchange splitting of the heavy hole exciton ground state in GaAs–GaAlAs quantum wells 229 (1990) 151
M.S. Skolnick, A.W. Higgs, P.E. Simmonds, D.G. Hayes, G.W. Smith, H.J. Hutchinson, A.D. Pitt, C.R. Whitehouse, L. Eaves, M. Henini and O.H. Hughes, Electronic processes in double barrier resonant tunneling structures investigated by optical spectroscopy 229 (1990) 185
D.Y. Oberli, Jagdeep Shah, T.C. Damen, J.M. Kuo, R.F. Kopf and J.E. Henry, Tunneling in double quantum well structures: role of optical phonons 229 (1990) 189
R. Ferreira, H.W. Liu, C. Delalande, G. Bastard, J.F. Palmier and B. Etienne, Electron, hole and exciton tunneling in a biased quantum well structure 229 (1990) 192
M. Nido, M.G.W. Alexander, K. Reimann, K. Ploog, W.W. Rühle and K. Köhler, Electron tunneling via Γ- and X-states in $GaAs/Al_{0.35}Ga_{0.65}As$ double quantum well structures 229 (1990) 195
M. Helm, P. England, E. Colas, F. DeRosa and S.J. Allen, Jr., Intersubband emission excited by high field superlattice transport 229 (1990) 199
K. Kash, J.M. Worlock, A.S. Gozdz, B.P. Van der Gaag, J.P. Harbison, P.S.D. Lin and L.T. Florez, Excitation spectroscopy of strain-patterned semiconductor wires 229 (1990) 245
M. Kohl, D. Heitmann, P. Grambow and K. Ploog, Effect of the wire width on 1D magneto excitons in GaAs–AlGaAs quantum-well wires 229 (1990) 248
M. Potemski, J.C. Maan, K. Ploog and G. Weimann, High intensity excitation luminescence of quantum wells in high magnetic fields 229 (1990) 380
U. Bockelmann, P. Hiergeist, G. Abstreiter, G. Weimann and W. Schlapp, Relevant scattering processes, band gap renormalization and Moss–Burstein shift in modulation doped narrow GaAs/AlGaAs multiple quantum wells 229 (1990) 398
A.P. Thorn, P.C. Klipstein and R.W. Glew, Electro-optical properties of GaAs doping superlattices containing extreme electric fields 229 (1990) 439
I.V. Kukushkin, A.S. Plaut, K. von Klitzing and K. Ploog, Luminescence experiments on acceptor δ-doped GaAs–AlGaAs single heterojunctions with optically tunable electron concentration 229 (1990) 447
J.M. Gerard, J.Y. Marzin, C. d'Anterroches, B. Soucail and P. Voisin, Optical study of the band structure of InAs/GaAs ordered alloys 229 (1990) 456
I.N. Uraltsev, V.P. Kochereshko, P.S. Kop'ev, A.M. Vasiliev and D.R. Yakovlev, Optical phenomena elucidating carrier transport in short-period superlattices 229 (1990) 459
D. Scalbert, J. Cernogora, C. Benoit à la Guillaume, M. Maaref, F.F. Charfi and R. Planel, Exciton radiative lifetime in short period GaAs–AlAs superlattices of type II 229 (1990) 464
L. Viña, G.E.W. Bauer, M. Potemski, J.C. Maan, E.E. Mendez and W.I. Wang, Magnetic field effects in highly resolved two-dimensional excitons 229 (1990) 504
H. Yoshimura and H. Sakaki, Magnetoluminescence study of carrier-induced excitonic to free-carrier transition of radiative recombination in a semiconductor quantum well 229 (1990) 508
D.G. Hayes, M.S. Skolnick, L. Eaves, P.E. Simmonds, L.L. Taylor, S.J. Bass and K.J. Nash, Photoluminescence and transport studies of wide (InGa)As/InP quantum wells in high magnetic field 229 (1990) 512
R. Stępniewski, W. Knap, A. Raymond, G. Martinez, J.C. Maan, B. Etienne and K. Ploog, Exciton–one-component plasma interaction in high magnetic fields 229 (1990) 519

Magnetic measurements

H. Sigg, J. Richter, K. von Klitzing and K. Ploog, Percolation at $\nu = 1$ in the 2D electron system of e^--beam irradiated AlGaAs/GaAs heterostructures 229 (1990) 43
S.V. Kravchenko, B.K. Medvedev, V.G. Mokerov, V.M. Pudalov, D.A. Rinberg and S.G. Semenchinsky, On the phase diagrams of the magnetoconductivity for 2D electron systems 229 (1990) 63
F.A.P. Blom, P.F. Fontein, J.H. Wolter, F.M. Peeters, X. Wu, F. Geerinckx and J.T. Devreese, Temperature dependence of the amplitude of the Shubnikov–de Haas oscillations in a two-dimensional electron gas 229 (1990) 70

J. Luo, H. Munekata, F.F. Fang and P.J. Stiles, The effects of inversion asymmetry on subband structures in GaSb–InAs–GaSb quantum wells 229 (1990) 73

W. Heuring, E. Bangert, K. Grötsch, G. Landwehr, G. Weimann, W. Schlapp, J.-H. Reemtsma and K. Heime, Influence of warping on quantum oscillations in p-type GaAs–(GaAl)As heterostructures 229 (1990) 76

M. Shayegan, T. Sajoto, J. Jo, M. Santos and L. Engel, Magnetotransport in a wide parabolic quantum well 229 (1990) 83

D. Weiss, K. von Klitzing, K. Ploog and G. Weimann, Landau level broadening and Van Hove singularities in lateral surface superlattices 229 (1990) 88

R.R. Gerhardts and C. Zhang, Quantum magneto-transport theory for two-dimensional electron systems with unidirectional periodic modulation 229 (1990) 92

R. Taboryski, E. Veje and P.E. Lindelof, Localization and interaction effects in GaAs/AlGaAs heterostructures modified by ^{4}He-ion implantation 229 (1990) 105

D. Lavielle, J.C. Portal, M.A. di Forte-Poisson, C. Brylinksi and E. Blondeau, Two-dimensional persistent photoconductivity and magnetic freeze-out in lightly "δ"-doped InP 229 (1990) 119

M. Dobers, Electron spin resonance and Overhauser shift of two-dimensional conduction electrons 229 (1990) 126

B.B. Goldberg, D. Heiman and A. Pinczuk, Exchange enhancement of the spin gap of a spin-polarized 2D electron gas determined by optical absorption spectroscopy 229 (1990) 137

L. Brey and B.I. Halperin, Possible spin-density wave in wide parabolic quantum wells 229 (1990) 142

M. Potemski, J.C. Maan, A. Fasolino, K. Ploog and G. Weimann, Exchange splitting of the heavy hole exciton ground state in GaAs–GaAlAs quantum wells 229 (1990) 151

W. Demmerle, J. Smoliner, G. Berthold, E. Gornik, G. Weimann and W. Schlapp, Magneto-tunneling between barrier-separated 2D electron gas systems 229 (1990) 169

G. Platero, P.A. Schulz and C. Tejedor, Coherent and sequential resonant magnetotunneling through double barrier structures 229 (1990) 177

E. Böckenhoff and K. von Klitzing, Spectroscopy of the Fermi energy in quantizing magnetic fields via resonant tunneling 229 (1990) 182

R.J. Haug, K. von Klitzing, K. Ploog and P. Streda, Edge state transport in high magnetic fields in a two-dimensional electron gas 229 (1990) 229

D.A. Wharam, R. Newbury, M. Pepper, D.G. Hasko, H. Ahmed, J.E.F. Frost, D.A. Ritchie, D.C. Peacock, G.A.C. Jones, T.J. Thornton and U. Ekenberg, Ballistic electron transport in quasi-one-dimensional systems 229 (1990) 233

T.P. Smith III, Quantum confinement in few-electron systems 229 (1990) 239

M. Kohl, D. Heitmann, P. Grambow and K. Ploog, Effect of the wire width on 1D magneto excitons in GaAs–AlGaAs quantum-well wires 229 (1990) 248

K. Kern, T. Demel, D. Heitmann, P. Grambow, K. Ploog and M. Razeghi, One-dimensional electronic systems in ultra-fine mesa etched InGaAs–InAlAs–InP quantum wires 229 (1990) 256

D. Mailly and M. Sanquer, Reduction of the quantum noise in a GaAlAs/GaAs heterojunction and n^+ GaAs wires of mesoscopic size by a magnetic field 229 (1990) 260

Ch. Sikorski and U. Merkt, Magneto-optics with few electrons in quantum dots on InSb 229 (1990) 282

L.P. Kouwenhoven, B.J. van Wees, K.J.P.M. Harmans and J.G. Williamson, Transport through zero-dimensional states in a quantum dot 229 (1990) 290

J.G. Williamson, H. van Houten, C.W.J. Beenakker, M.E.I. Broekaart, L.I.A. Spendeler, B.J. van Wees and C.T. Foxon, Injection of ballistic hot electrons and cool holes in a two-dimensional electron gas 229 (1990) 303

C.J.B. Ford, A.B. Fowler, J.M. Hong, C.M. Knoedler, S.E. Laux, J.J. Wainer and S. Washburn, Gated, asymmetric rings as tunable electron interferometers 229 (1990) 307

P.L. McEuen, B.W. Alphenaar, R.G. Wheeler and R.N. Sacks, Resonant transport effects due to an impurity in a narrow constriction 229 (1990) 312

W. Hansen, T.P. Smith III, D.P. DiVincenzo, K.Y. Lee, Y.H. Lee and R. Cheung, Quantum fluctuations in n^+ GaAs wires with invasive probes 229 (1990) 321

T. Galloway, B.L. Gallagher, P. Beton, J.P. Oxley, M. Carter, S.P. Beaumont, S. Thoms and C.D.W. Wilkinson,

Universal thermopower and rectification fluctuations 229 (1990) 326
B. Pannetier, O. Buisson, P. Gandit, Y.Y. Wang, J. Chaussy and R. Rammal, Unusual band effects in a 2D lattice: superconducting properties of artificial networks and singly connected dots 229 (1990) 331
Jun Ma, R.A. Puechner, W.-P. Liu, A.M. Kriman, G.N. Maracas and D.K. Ferry, h/e periodicity of weak localization in semiconductor surface superlattices 229 (1990) 341
D.C. Glattli, G. Deville, V. Duburcq, F.I.B. Williams, E. Paris, B. Etienne and E.Y. Andrei, Experiments on ordering in classical and quantum 2D electron systems 229 (1990) 344
A.O. Stone, P. Fozooni, M.J. Lea and J. Frost, Magnetoresistance of 2D electrons on helium below 1 K 229 (1990) 359
B. Lehndorff, J. Löhle and K. Dransfeld, High frequency transport of electrons on helium films 229 (1990) 362
A.M.L. Janssen, R.W. van der Heijden, A.T.A.M. de Waele, H.M. Gijsman and F.M. Peeters, Negative low-field magnetoresistance of electrons on liquid helium 229 (1990) 365
M. Potemski, J.C. Maan, K. Ploog and G. Weimann, High intensity excitation luminescence of quantum wells in high magnetic fields 229 (1990) 380
U. Bockelmann, P. Hiergeist, G. Abstreiter, G. Weimann and W. Schlapp, Relevant scattering processes, band gap renormalization and Moss–Burstein shift in modulation doped narrow GaAs/AlGaAs multiple quantum wells 229 (1990) 398
M. Alikacem, M.L. Leadbeater, D.K. Maude, M. Davies, L. Eaves, M. Heath, L. Dmowski, J.C. Portal, D. Ashenford and B. Lunn, High pressure and high magnetic field studies of the two-dimensional electron gas at a CdTe/InSb interface 229 (1990) 428
I.N. Uraltsev, V.P. Kochereshko, P.S. Kop'ev, A.M. Vasiliev and D.R. Yakovlev, Optical phenomena elucidating carrier transport in short-period superlattices 229 (1990) 459
B. Soucail, P. Voisin, M. Voos and M. Allovon, Optical investigations of semiconductor superlattices in parallel electric and magnetic fields 229 (1990) 468
J.M. Berroir, Y. Guldner, J. Manasses, J.P. Vieren, M. Voos, X. Chu and J.P. Faurie, Evidence for semimetallic character in $Hg_{1-x}Zn_xTe$–CdTe superlattices 229 (1990) 501
L. Viña, G.E.W. Bauer, M. Potemski, J.C. Maan, E.E. Mendez and W.I. Wang, Magnetic field effects in highly resolved two-dimensional excitons 229 (1990) 504
H. Yoshimura and H. Sakaki, Magnetoluminescence study of carrier-induced excitonic to free-carrier transition of radiative recombination in a semiconductor quantum well 229 (1990) 508
D.G. Hayes, M.S. Skolnick, L. Eaves, P.E. Simmonds, L.L. Taylor, S.J. Bass and K.J. Nash, Photoluminescence and transport studies of wide (InGa)As/InP quantum wells in high magnetic field 229 (1990) 512
K. Karraï, X. Ying, H.D. Drew and M. Shayegan, Magnetoplasma effects in a quasi-three-dimensional electron gas 229 (1990) 515
R. Stępniewski, W. Knap, A. Raymond, G. Martinez, J.C. Maan, B. Etienne and K. Ploog, Exciton–one-component plasma interaction in high magnetic fields 229 (1990) 519

Manganese

D.D. Awschalom, M.R. Freeman, C. Hsu and L.L. Chang, Ultrafast spin dynamics in diluted magnetic semiconductor superlattices 229 (1990) 145
Q. Fu, N. Pelekanos, A.V. Nurmikko, S. Durbin, J. Han, O. Sungki, D. Menke, M. Kobayashi and R.L. Gunshor, Strong confinement effects in CdTe/MnTe quantum wells: a new strained layer binary II–VI heterostructure 229 (1990) 148

Photoconductivity

Y. Ma, R. Fletcher, E. Zaremba, M. D'Iorio, C.T. Foxon and J.J. Harris, Effect of second subband occupancy on energy relaxation of electrons in a 2D gas at $Al_xGa_{1-x}As$/GaAs heterojunctions at low temperatures 229 (1990) 80
D. Lavielle, J.C. Portal, M.A. di Forte-Poisson, C. Brylinksi and E. Blondeau, Two-dimensional persistent photoconductivity and magnetic freeze-out in lightly "δ"-doped InP 229 (1990) 119

H. Tuffigo, B. Lavigne, R.T. Cox, G. Lentz, N. Magnea and H. Mariette, Strong effects of electron–hole Coulomb interaction on optical properties of CdTe quantum wells 229 (1990) 480

Raman scattering

T. Zettler, C. Peters, J.P. Kotthaus and K. Ploog, Resonant Raman scattering of coupled magnetoplasmon–cyclotron modes in layered two-dimensional electron systems 229 (1990) 388

T. Egeler, G. Abstreiter, G. Weimann, T. Demel, D. Heitmann and W. Schlapp, Grating coupler effects on inelastic light scattering by plasmons in micro structured GaAs MQW systems 229 (1990) 391

B. Jusserand, D.R. Richards, G. Fasol, G. Weimann and W. Schlapp, Single particle excitations and plasmons in a single asymmetric modulation-doped GaAs quantum well 229 (1990) 394

Reflection spectroscopy

R. Sizmann, M. Zass and F. Koch, Resonant excitation in the interacting subband–valence band system of a narrow gap semiconductor 229 (1990) 444

Secondary ion mass spectroscopy

A.P. Thorn, P.C. Klipstein and R.W. Glew, Electro-optical properties of GaAs doping superlattices containing extreme electric fields 229 (1990) 439

Silicon

D.A. Syphers, J.H. Killoran, H.E. Brakewood, F. Reis and P.J. Stiles, Comparisons of edge state versus bulk conduction in the quantum Hall regime 229 (1990) 37

P.A. Russell, F.F. Ouali, N.P. Hewett and L.J. Challis, Power dissipation in the quantum Hall regime 229 (1990) 54

P.C. van Son, G.H. Kruithof and T.M. Klapwijk, Intrinsic sequence in the breakdown of the quantum Hall effect 229 (1990) 57

J. Wakabayashi, A. Fukano, S. Kawaji, Y. Koike and T. Fukase, Experiments on localization in Landau subbands with the Landau quantum number 0 and 1 of Si inversion layers 229 (1990) 60

S.V. Kravchenko, B.K. Medvedev, V.G. Mokerov, V.M. Pudalov, D.A. Rinberg and S.G. Semenchinsky, On the phase diagrams of the magnetoconductivity for 2D electron systems 229 (1990) 63

A.M. Dabiran, F.F. Fang, T.P. Smith III and P.J. Stiles, Floating gate technique as a thermodynamic probe of two-dimensional electron systems 229 (1990) 67

J. Alsmeier, E. Batke and J.P. Kotthaus, Field-effect tunable quantum dots on silicon 229 (1990) 287

Superconductivity

B. Pannetier, O. Buisson, P. Gandit, Y.Y. Wang, J. Chaussy and R. Rammal, Unusual band effects in a 2D lattice: superconducting properties of artificial networks and singly connected dots 229 (1990) 331

Superlattices

J.A. Brum and F. Agulló-Rueda, Stark ladder excitonic transitions 229 (1990) 472

Surface melting

M. Saitoh, Melting criterion of two-dimensional Wigner crystals on thin films of liquid He 229 (1990) 356

C.J. Mellor and W.F. Vinen, Experimental observation of crystallization and ripplon generation in a two-dimensional pool of helium ions 229 (1990) 368

Surface plasmons

T. Egeler, G. Abstreiter, G. Weimann, T. Demel, D. Heitmann and W. Schlapp, Grating coupler effects on inelastic light scattering by plasmons in micro structured GaAs MQW systems 229 (1990) 391

B. Jusserand, D.R. Richards, G. Fasol, G. Weimann and W. Schlapp, Single particle excitations and plasmons in a single asymmetric modulation-doped GaAs quantum well 229 (1990) 394

Surface roughness

D. Calecki and G. Fishman, Surface-limited resistivity in 2D-semiconductors and 2D-metals: influence of roughness modeling 229 (1990) 110

Surface stress

S.-R.E. Yang and A.H. MacDonald, Stress and the Van Hove singularities of hole magnetoplasmons 229 (1990) 402

M. Schlierkamp, R. Wille, K. Greipel, U. Rössler, W. Schlapp and G. Weimann, Confined excitons under biaxial compression and tension 229 (1990) 476

Surface thermodynamics

D.C. Glattli, G. Deville, V. Duburcq, F.I.B. Williams, E. Paris, B. Etienne and E.Y. Andrei, Experiments on ordering in classical and quantum 2D electron systems 229 (1990) 344

Tunneling

F. Chevoir and B. Vinter, Calculation of incoherent tunneling and valley current in resonant tunneling structures 229 (1990) 158

K. Hirakawa, H. Sakaki and T. Ikoma, Electron–phonon interaction in GaAs/ $Al_xGa_{1-x}As$/GaAs single-barrier heterojunction diodes 229 (1990) 161

R. Ferreira and G. Bastard, Assisted hole tunneling in double quantum well structures 229 (1990) 165

W. Demmerle, J. Smoliner, G. Berthold, E. Gornik, G. Weimann and W. Schlapp, Magneto-tunneling between barrier-separated 2D electron gas systems 229 (1990) 169

E.E. Mendez and L.L. Chang, Tunneling between two-dimensional electron gases 229 (1990) 173

G. Platero, P.A. Schulz and C. Tejedor, Coherent and sequential resonant magnetotunneling through double barrier structures 229 (1990) 177

M.S. Skolnick, A.W. Higgs, P.E. Simmonds, D.G. Hayes, G.W. Smith, H.J. Hutchinson, A.D. Pitt, C.R. Whitehouse, L. Eaves, M. Henini and O.H. Hughes, Electronic processes in double barrier resonant tunneling structures investigated by optical spectroscopy 229 (1990) 185

D.Y. Oberli, Jagdeep Shah, T.C. Damen, J.M. Kuo, R.F. Kopf and J.E. Henry, Tunneling in double quantum well structures: role of optical phonons 229 (1990) 189

R. Ferreira, H.W. Liu, C. Delalande, G. Bastard, J.F. Palmier and B. Etienne, Electron, hole and exciton tunneling in a biased quantum well structure 229 (1990) 192

M. Nido, M.G.W. Alexander, K. Reimann, K. Ploog, W.W. Rühle and K. Köhler, Electron tunneling via Γ- and X-states in $GaAs/Al_{0.35}Ga_{0.65}As$ double quantum well structures 229 (1990) 195

M. Helm, P. England, E. Colas, F. DeRosa and S.J. Allen, Jr., Intersubband emission excited by high field superlattice transport 229 (1990) 199

P.L. McEuen, B.W. Alphenaar, R.G. Wheeler and R.N. Sacks, Resonant transport effects due to an impurity in a narrow constriction 229 (1990) 312

J. Zhang and S. Ulloa, Single-particle and collective excitations of doped superlattices and *d*-parameter theory 229 (1990) 415

R. Sizmann, M. Zass and F. Koch, Resonant excitation in the interacting subband–valence band system of a narrow gap semiconductor 229 (1990) 444